

ABSTRACT

A pharmaceutical composition for treating allergy is described. The composition
5 comprises as an active ingredient a recombinant polyclonal antibody or a mixture
of different monoclonal antibodies capable of reacting with or binding to an aller-
gen together with one or more pharmaceutically acceptable excipients. The com-
position may be used topically as a solution, dispersion, powder or in the form of
microspheres. The polyclonal antibody is preferably a recombinant polyclonal
10 antibody produced by phage display technology. The pairing of specific im-
munoglobulin variable region light chain and heavy chain maintained from the
original polyclonal immune response or selected by panning using the allergen in
question is preferably maintained by bulk transfer of the pairs into an expression
vector. The allergen may be an allergen of house dust mites, e.g. *Dermato-*
15 *phagoides farinae* or *D. pteronyssinus*; dander from cat, dog or horse; tree pollen,
e.g. pollen from birch (*Betula alba*), alder, hazel, oak, willow, plane, beech, elm,
maple, ash and hornbeam; grass pollen, e.g. pollen from timothy grass (*Phleum*
pratense), bluegrass (*Poa pratense*), rye grass (*Lolium perenne*), Orchard grass
(*Dactylis glomerata*), ragweed (*Ambrosia artemisiifolia*), sweet vernal grass
20 (*anthoxanthum odoratum*), and rye (*Secale cereale*); or fungi (e.g. *Alternaria*,
Aspergillus, *Cladosporium* and *Penicillium*).